

CT-HVT SERIES 5kV to 100kV AC High Voltage Testers

Benchtop and trolley mounted high-voltage testers are designed for high-voltage testing of power cables, switchgear, busbars, insulators, bushings, motors, Instrument and Power transformers etc. with voltage up to 100 kVRMS at line frequency of 50 Hz.

CT-HVT series systems are able to output high current at high voltages, making them suitable for conducting a variety of tests, even in presence of highly capacitive loads according to a wide range of standards and regulations.

CT-HVT benefits from a touchscreen graphic display and digital control, which allows to run tests in fully automatic cycles, as well as store test results in internal memory of the system.

The systems feature an overcurrent, short circuit, overvoltage, input power safety and operator safety protection.

Features:

- High power output up to 500mA
- Safe two-part construction for testers above 10kV
- Modular design, easy to maintain.
- Movable trolley option
- Touchscreen Graphic display
- Fully automatic closed-loop control
- Internal memory for test results storage
- Overcurrent and short-circuit safety protection
- Overvoltage and input power safety and operator safety protection.
- Emergency stop, remote alarms and andon.
- Self-diagnostics and self-calibration*

Registered Office:

25/5A/1/2, Near Unique Controls,
Nanded Phata, Sinhagad Road,
Pune - 411041

Factory:

25/5A/1/2, & 25/5, Shed No. 1 & 2,
Near Unique Controls,
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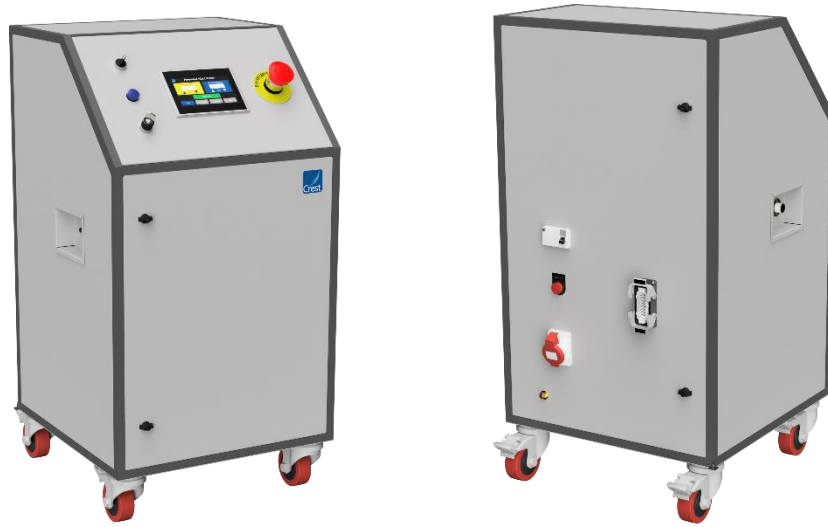
Email: info@crestech.co.in | sales@crestech.co.in

Web: www.crestech.co.in

CIN: U72900PN2015PTC156694

GST: 27AAGCC2141R1ZD

Photos:



Above photos are for reference purpose only.

Technical specifications & Models:

	CT-HVT 10/50	CT-HVT 10/100	CT-HVT 10/500	CT-HVT- 100/100
Output Voltage	0.1 to 10kV RMS	0.1 to 10kV RMS	0.1 to 10kV RMS	1 to 100kV RMS
Output Current	0.1 to 50 mA RMS	1 to 100 mA RMS	5 to 500 mA RMS	1 to 100 mA RMS
Testing modes	Automatic	Automatic	Automatic	Automatic
Voltage ramp rate	0.1kV/s to 2.0 kV/s, step 0.1 kV/s	0.1kV/s to 2.0 kV/s, step 0.1 kV/s	0.1kV/s to 2.0 kV/s, step 0.1 kV/s	1kV/s to 5.0 kV/s, step 0.5 kV/s
Internal memory	100 test reports	100 test reports	100 test reports	100 test reports
Touch-screen HMI	Yes	Yes	Yes	Yes
Safety / Protections	Over-voltage tripping	Over-voltage tripping	Over-voltage tripping	Over-voltage tripping
	Over-current tripping	Over-current tripping	Over-current tripping	Over-current tripping
	Short circuit tripping	Short circuit tripping	Short circuit tripping	Short circuit tripping
		Door interlocks	Door interlocks	Door interlocks
	Emergency stop	2 nos. Emergency stop	2 nos. Emergency stop	2 nos. Emergency stop
				Earth switch/ earthing rod protection
	Audible Alarms	Audible Alarms	Audible Alarms	Audible Alarms
			Pneumatic/ electrical earthing arrangement	
Supply voltage	230 V ± 10 %, AC	230 V ± 10 %, AC	415 V ± 10 %, 3 Ph AC	415 V ± 10 %, 3 Ph AC
Supply frequency	50Hz	50Hz	50Hz	50Hz
Power consumption	0.8 kVA	1.5 kVA	6 kVA	12 kVA
Form factor	Benchtop / Trolley	Benchtop / Trolley	Trolley	Power Panel+ Test console + External transformer



Crest Test Systems
Pvt. Ltd.

Enhance Quality Assurance

Optional accessories:

- Mains Servo regulator with isolation transformer
- Pneumatic earthing switch
- Electrical earthing switch
- Manual earthing rod safety hook
- Electrical door lock for safety fencing
- Door safety limit switch
- Remote Hazard lamps
- Remote hooter
- Manual earthing rod
- Stainless steel grounding plate
- Master earthing bus bar
- Custom designed test cables
- Handheld HV test gun

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HMI screenshots for reference:

